

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TOPPAN PRINTING CO LTD

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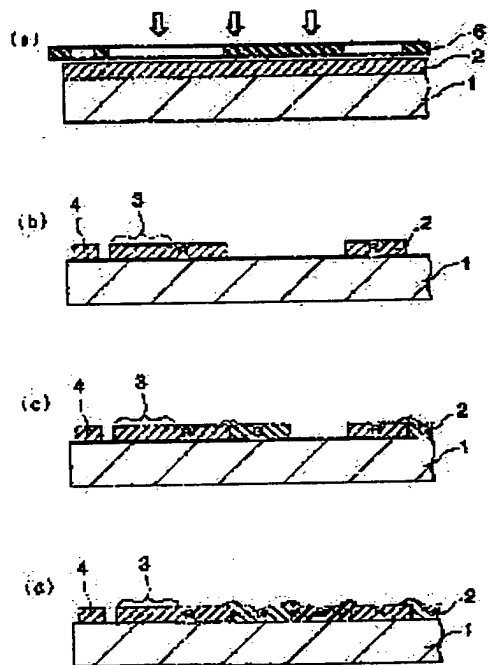
(72)Inventor : TAKAGI TOSHIKI

(54) PRODUCTION OF COLOR FILTER

(57)Abstract:

PROBLEM TO BE SOLVED: To decrease production cost, number of processes and the fraction defective by forming the outer frame part and alignment marks of a pattern at one time when a first color of a color resist is applied.

SOLUTION: A red color resist as a first color is applied all over a glass substrate 1 by a spin coating method or the like and dried, then the resist is exposed to UV rays through a photomask 6, developed and washed with water so as to form each pattern of the red pattern part of a color filter 2, the outer frame part 3 on the periphery of one screen of the pattern, and alignment markers 4 near the substrate edge. Then similarly, a photoresist is exposed to UV rays through a photomask to form only the pattern of the green pattern part of the color filter 2, developed and washed with water to form the pattern. Finally, the blue pattern part of the color filter 2 is also patterned to complete the color filter substrate.



LEGAL STATUS

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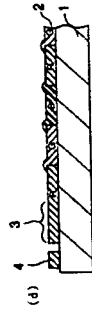
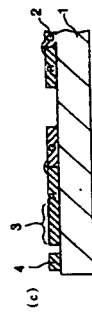
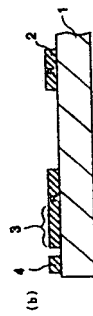
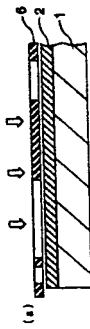
ラージフィルタの断面の一例を示す説明図である。

【符号の説明】

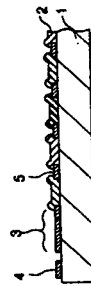
- 1 ガラス基板
- 2 カラーフィルタ
- 2' 青色レジスト

- 3 外枠部
- 4 マーカ
- 5 ブラックマトリクス
- 6 フォトマスク

【図1】



【図3】



【図2】

